

ESHMC Calibration Targets

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Outline

- Possible (but not necessary) to use same targets as ESPAM1.1 and extend the transient series
- Head
 - Steady state
 - Transient
- Reach gain
 - Steady state
 - Transient
- Spring discharge
 - Transient



ESPAM1.1 Head

- WelLog.mdb
 - Steady state
 - Average May 1, 1982 to October 31, 2000
 - Transient
 - Seasonal (head differences)
 - Mass measurement (head differences)
 - Trend (head differences)



ESPAM2 Head (Willem Proposed)

- WelLog.mdb (ESPA Monitoring Data updated to April, 2008)
 - Steady state
 - None
 - Transient
 - All heads as elevations
 - Seasonal (head differences)
 - Mass measurement (head differences)
 - Trend (head differences)

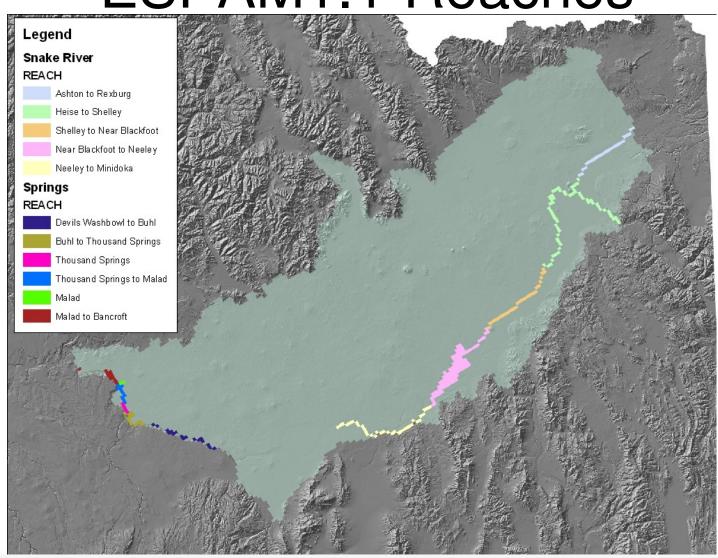


ESPAM1.1 Steady State Reach Gain

- Steady State (Average May 1, 1982 to October 31, 2000)
 - River gains (reach gain and loss program)
 - Ashton–Rexburg
 - Heise-Shelley
 - Shelley-nr Blackfoot
 - Nr Blackfoot-Neeley
 - · Neeley-Minidoka
 - Spring reaches (Kjelstrom with Covington and Weaver)
 - Devils Washbowl-Buhl
 - Buhl-Thousand Spgs
 - Thousand Spgs
 - Thousand Spgs-Malad
 - Malad
 - Malad-Bancroft



ESPAM1.1 Reaches





ESPAM2 Steady State Reach Gain (Allan)

None

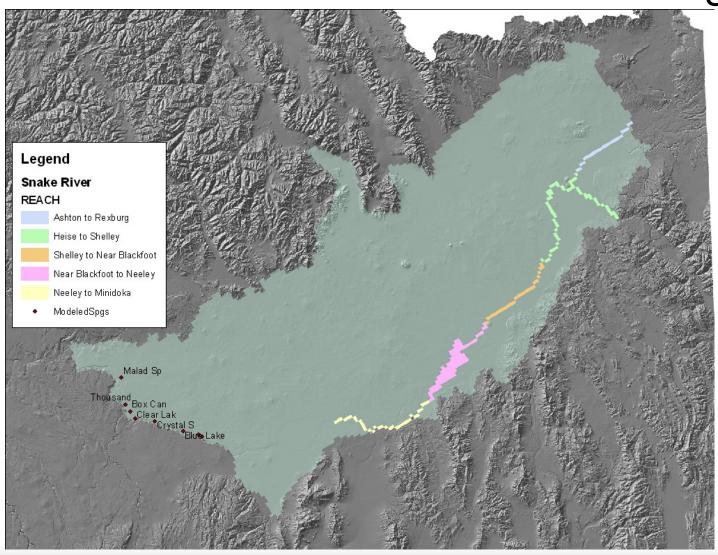


ESPAM1.1 Transient Reach Gain and Flow Targets

- Transient
 - River gains (reach gain and loss program)
 - Ashton–Rexburg
 - Heise-Shelley
 - Shelley-nr Blackfoot
 - Nr Blackfoot-Neeley
 - Neeley-Minidoka
 - Springs (various sources)
 - Devils Washbowl
 - Devils Corral
 - Blue Lakes
 - Crystal (private data)
 - Clear Lakes (private data)
 - Briggs
 - Box
 - Thousand Spgs (IPCO from power generation data)
 - Malad (IPCO from power generation data)

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ESPAM1.1 Transient Gain and Flow Targets

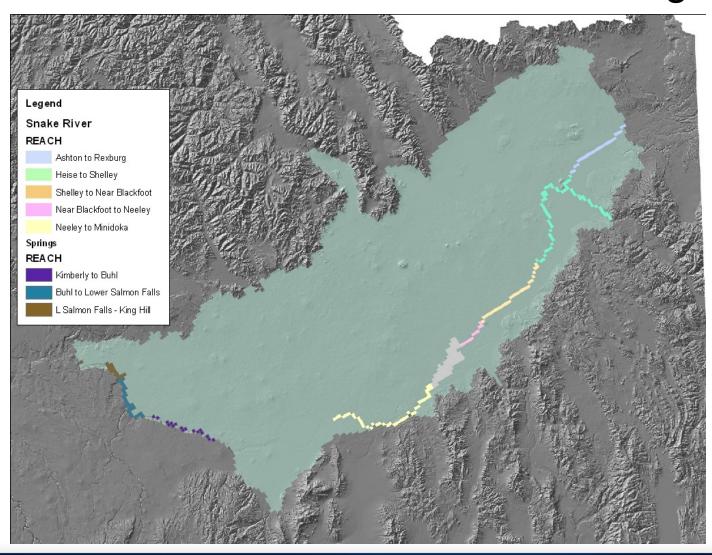




ESPAM2 Reach Gain Targets (ESHMC Proposal)

- Steady State
 - River gains (reach gain and loss program)
 - Ashton—Rexburg (filtered and unfiltered)
 - Heise-Shelley (filtered and unfiltered)
 - Shelley-nr Blackfoot (filtered and unfiltered)
 - Nr Blackfoot-Neeley (filtered and unfiltered)
 - Neeley-Minidoka (filtered and unfiltered)
 - Spring reaches (reach gain and loss program)
 - Kimberly-King Hill (unfiltered)
 - Kimberly-Lower Salmon Falls (unfiltered)
 - Lower Salmon Falls-King Hill (unfiltered)
 - Kimberly-Buhl (unfiltered)
 - Buhl-Lower Salmon Falls (unfiltered)

ESPAM 2 Transient Reach Gain Targets



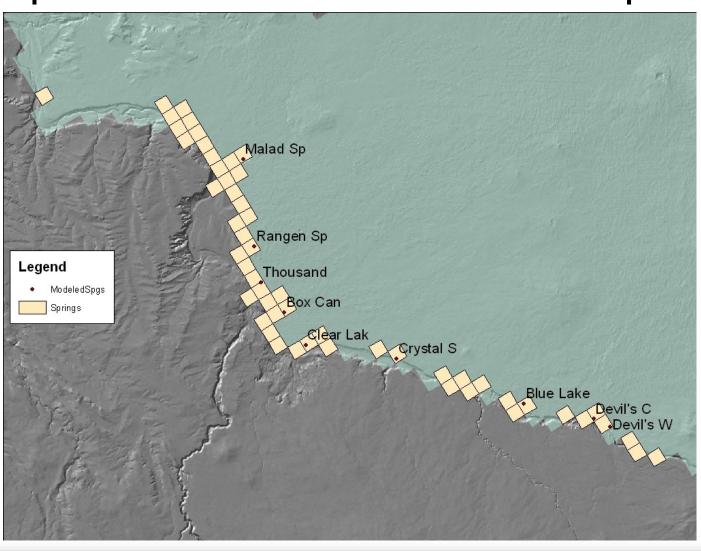


ESPAM2 Spring Targets (Proposal)

- Springs (various sources)
 - Devils Washbowl
 - Devils Corral
 - Blue Lakes
 - Crystal (private data)
 - Clear Lakes (private data)
 - Briggs
 - Box
 - Rangen (private data proposed this meeting)
 - Thousand Spgs (IPCO from power generation data)
 - Malad (IPCO from power generation data)

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Proposed ESPAM 2 Modeled Springs





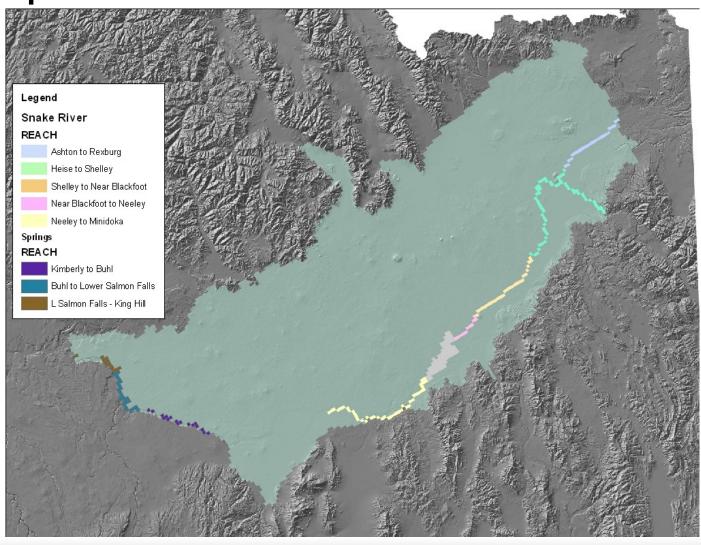
Suggestions?

END



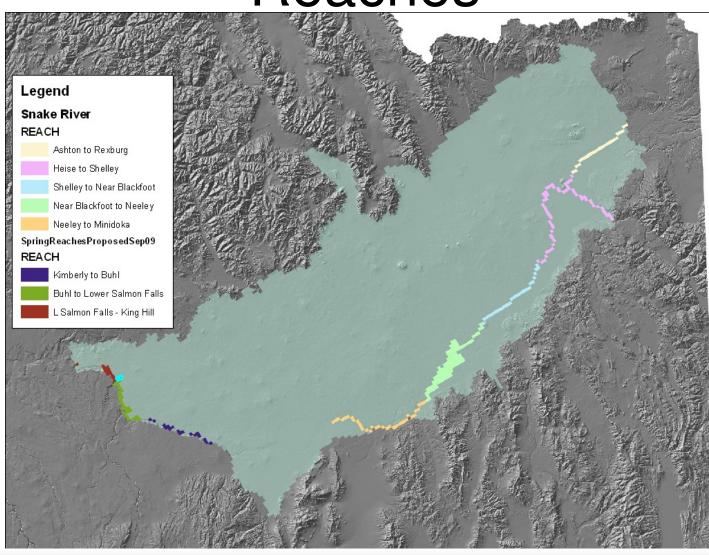
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Proposed ESPAM2 Transient Flow





Reaches





Model Reaches (ESHMC Proposal)

- Steady State
 - River gains (reach gain and loss program)
 - Ashton–Rexburg
 - Heise-Shelley
 - Shelley-nr Blackfoot
 - Nr Blackfoot-Neeley
 - Neeley-Minidoka
 - Spring reaches (Kjelstrom with Covington and Weaver)
 - Devils Washbowl-Buhl
 - Buhl-Thousand Spgs
 - Thousand Spgs
 - Thousand Spgs-Malad
 - Malad
 - Malad-Bancroft



Reaches (ESHMC)

